

AMENDMENTS TO THE SPECIFICATION:

Please delete the word “Description:” on page 1, line 1.

Please amend the paragraph beginning on page 1, line 7, as follows:

The invention relates to an electromagnetic valve for a gas cylinder, in particular a gas cylinder for a gas-powered motor vehicle, ~~according to the preamble of claim 1.~~

Please insert the following heading on page 1, line 10:

Background of the Invention

Please delete the section heading on page 2, line 28:

Disclosure of the Invention

Please amend the paragraph beginning on page 2, line 30, as follows:

~~An object of the invention~~ Accordingly, it is desirable to facilitate the disassembly and assembly of a valve of the described type.

Please insert the following section heading on page 3, above line 1:

Summary of the Invention

Please amend the paragraph beginning on page 3, line 1, as follows:

~~This object is achieved according~~ According to one embodiment of the invention, in that a mouth of the cavity is disposed at the head end of the valve body situated outside of the gas cylinder, and the shut-off piston and the electromagnetic control elements are insertable into the cavity through the mouth.

Please amend the paragraph beginning on page 8, line 22, as follows:

The invention further relates to an electromagnetic valve for a gas cylinder, in particular a gas cylinder for a gas-powered motor vehicle engine ~~having the features of the preamble of claim 19.~~

Please amend the paragraph beginning on page 10, line 8, as follows:

~~An object of the invention is to provide~~ Accordingly, in another aspect, the present invention provides an electromagnetic valve of the described type, which reduces or eliminates the described instabilities. ~~This object is achieved according to the invention by the features of claim 19 in that~~ In another embodiment, the shut-off piston is disposed in a substantially freely displaceable manner in the valve body and it is exclusively the pretension spring for the pilot seal that develops a pretension force that presses the shut-off piston against the main seal seat.

Please insert the following heading on page 12, line 16:

Detailed Description of Various Embodiments of the Invention

Please amend the paragraph beginning on page 12, line 17, as follows:

Figs. 1 to 4 show the upper portion of a gas cylinder 1, in the cylinder neck of which an internal thread 2 is disposed for receiving an external thread 3 on a valve body 4 (see Fig. [3] 4). The head end 5 of the valve body 4 situated outside of the gas cylinder 1 may be seen in Figs. 1, 2 and 4. It is covered by a protective plate 6 made of steel. The valve body 4 itself, in the present case, is made of brass. The protective plate 6 is fastened by fastening screws 63 (Fig. 3) to the valve body 4. Situated between the protective plate 6 and the head end 5 of the valve body 4 is an elastic layer 7 of plastics material. The elastic layer 7 damps impacts upon the protective plate 6 and seals off the head end 5 of the valve body 4 from moisture.

Please amend the paragraph beginning on page 13, line 27, as follows:

The mode of operation of the electromagnetic valve is apparent in particular from Fig. 10. The functional elements of the valve are inserted into the cavity 15 inside the valve body 4. The cavity 15 is closed by means of a screw cap 23, which is screwed into an internal thread on the upper end of the cavity 15 and sealed by means of a sealing ring 24. The coil 25 for actuating the electric valve is inserted in the cavity 15. The coil 25 is connected by a connection cable 26 to a non-illustrated power source. Extending inside the coil 25 is a sleeve 27, the bottom foot portion [[28]] of which is screw-connected to the lower portion of the cavity 15. The upper portion of the sleeve 27 is cylinder-envelope-shaped and surrounds two armatures 28, 29.

Please amend the paragraph beginning on page 18, line 5, as follows:

Figs. 12 and 13 show the individual parts of the thermal safety device 22. This comprises a cover 48, which is screwed into a thread in a receiving space 49 of the valve body 4 (see Fig. 7). The cover 48 presses against a glass body 50. The glass body 50 holds a closing piston 51 in a closed position, particularly when the gas passes through the pilot seat into the space above the shut-off piston. As Figure 7 reveals, in the closed position the lower portion of the closing piston 51 is situated in the flow channel [[20]] 21 and seals off said flow channel by means of the sealing ring 62 (Figure 12).

Please insert the following paragraph beginning on page 19, line 16:

Other embodiments of the invention will be apparent to those skilled in the art from a consideration of the specification or practice of the invention disclosed herein. It is intended that the specification and examples be considered as exemplary only, with the true scope and spirit of the invention being indicated by the following claims.

Please delete pages 20 and 21 in their entirety.